18(7), 25(1)

# POL/43-59-4-3/23

AUTHORS:

Krzanowski, Andrzej, and Stegenda, Boleslaw, Engi-

neers

TITLE:

Carbon and Alloy Tool-Steels

PERIODICAL:

Wiadomosci Hutnicze, 1959, Nr 4, pp 114-117 (Poland)

ABSTRACT:

The article describes the characteristics of carbonated and casting tool-steels for cold and hot working. The carbonated tool-steels have most simple chemical structures. For high-quality tools, steel containing an appropriate amount of carbonate, sulphur and manganese is used. For tools that have to be ductile to a certain degree, steel Standards N6E and N86 are taken; for wear-resisting tools the carbonated, plain tempered steel of the Standards N9E, N11E, N12E and N13E are used. The tempering capacity of the toolsteel is tested by samples in the size of 25 x 25 mm by heat treatment at temperatures of 760°, 800°, 840° and 880°C. (Table 1). Tool-steels for casting are

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Carbon and Alloy Tool-Steels

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classified into (1) steels for cold working (NClO, NCll, NC6, NWC, NCWV) and (2) steels for warm working. The main components of tool-steels for casting are chromium, tungsten, molybdenum and vanadium. Table 2 shows the most frequent defects of tools occurring during heat treatment. There are 2 tables.

Card 2/2

POL/43-59-5-5/28

18(5,7)

AUTHOR:

Krzanowski, A., and Stegenta, B., Engineers

TITLE:

High Speed Steels

PERIODICAL:

Wiadomosci Hutnicze, 1959, Nr 5, pp 151-154 (Poland)

ABSTRACT:

This article describes in detail the working of high speed steels, their plastic hot and cold transformation, their forging, annealing, hardening and tempering. The main quality of high speed steels is that the cutting tools, manufactured out of them, keep their hardness to a temperature of 600°C, maintaining an edge, even though red hot. Hence, they are called "high speed" or "quick cutting" steels. The elements employed to develop the properties of high speed steels are: tungsten, chromium, molybdenum vanadium and cobalt. To develop the most desirable properties in the steel, the segregates must be uniformly distributed and well scattered and careful control must be kept of melting and casting practice and subsequent forging and rolling operations. Heating for forging

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High Speed Steels

should be done slowly and gradually, for if a cold bar is placed in a hot furnace, it is liable to be overstrained by unequalized expansion. After forging and machining, high speed steel should be annealed before it is hardened. The temperature of high speed steels must neutralize the inner tension of the steel structure. It is based on the heating of the hardened steel to a temperature of 560-600°C (the temperature itself depends on the kind of steel and the form of the tool) and cooled very slowly in calm air. This is to be repeated severated times. The hardness, developed by this operation, is known as secondary hardness. Good results have been obtained by tempering in steam, at a temperature of 300-500°C, in £0 minutes. The tools, thus tempered, are twice as sharp and have a better look. On the surface, there is a thin layer of Fe<sub>3</sub>O<sub>4</sub>, which gives the tools an esthetic looking blue hue. Due to the bad thermal conductivity of the high speed steels, the Due to the cutting of the tools has to be carried out very cautiously, and absolute cleanness of the wheels has to be maintained.

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POL/43-59-5-5/28

High Speed Steels

In order to improve the cutting efficiency of the tools, they have to be treated £0-30 minutes in a sodium-cyanide bath, the temperature of which is lower than the tempering temperature, by 10-£0°C. There are £ graphs and 1 table.

Card 3/3

STECENTA, Boleslaw, mgr inz.

The Leipzig Spring Fair in 1959. Wiad hut 15 no.5:158-161 My '59.

KRZANOWSKI, Andrzej, mgr inz.; STECENTA, Boleslaw, mgr inz.

Production materials for durable magnets. Wiad hut 15 no.7/8:218-220 Jl-Ag '59.

STECENTA, Boleslaw, mgr inz.

Conservation, packing, and delivery of drawn materials, the priority problem for producer and receiver. Wiad hut 15 no.10:318 0 '59.

STEGENTA, Boleslaw, mgr., inz.; ZAJCSZ, Hugon, inz. Spring steel. Wiad hut 18 no.1:12-16 '62.

STEGER, Ferenc, okleveles gepeszmernok, vezeto-tervezo

Endurance tests for railroad diesel engines. Jarmu mezo gep 10 no.  $10:361-367 \ 0 \ ^{1}63$ .

1. Ganz-Mavag Motorgyartas.

STEGER, Tibor

An illustrated account of the Telephone Factory exhibition. Radiotechnika 15 no.6:3 of cover Je '65.

CIA-RDP86-00513R001653110011-2

YUGOSLAVIA/Organic Chemistry. Synthetic Organic Chemistry.

G-2

Abs Jour: Ref Zhur-Khim., No 24, 1958, 81714.

Author : Verkade P., Stegerhoek L., Mostert-Pzn S.

Inst Title : The Utilization of Silver Salts or Phenylbenzyl Phosphoric Acid for the Synthesis of the Monophenyl

Ester of Phosphatides (Previous Communication).

Orig Pub: Croat chem acta, 1957, 29, No 3-4, 413-517.

Abstract: The preparation of ROP(0)(CH)(OC, H. ) (I) here and

later, of R = CH<sub>2</sub>CH<sub>2</sub>OOCC<sub>2</sub>, H<sub>4</sub>; ) is described. From (C<sub>1</sub>H<sub>2</sub>-CH<sub>2</sub>O), P(O) and SO<sub>2</sub>Cl<sub>2</sub> - (C<sub>4</sub>H<sub>2</sub>CH<sub>2</sub>O) POCl is synthesized from which by the reaction with C<sub>4</sub>H<sub>2</sub>ONa, synthesized from which by the reaction with C<sub>4</sub>H<sub>2</sub>ONa, (C, H. CH.O), P(O)(OC, H5) was obtained, which by boiling with NaI in acetone gives the salt (C, H5CH2O)(C, H5C)

: 1/3 Card

37

STEGINSKY, Bernard

PCLAID

STWOINSEY, Hermand

Butelle Hambrial Institute, Columbus, Chic Undian, Posteny fizyki, No h, 1965, pp 415-55.
"Dynamics of Tomized Gases".

STEGLIK, Josef., master radiolyubitel'skogo sporta.

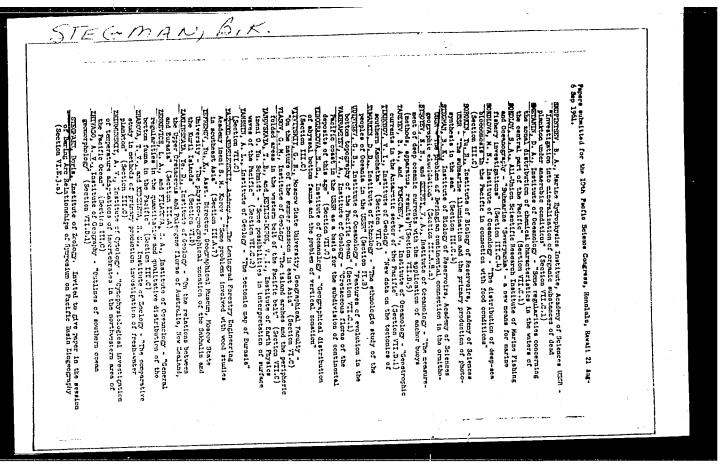
Czhechoslovak radio amateurs. Radio no.10:17 0'55. (MLRA 9:1)

(Czechoslovakia--Amateur radio stations)

STEGIIK, ".

SILIN, P. professor

"Fundamentals of Sugar Production". M.Drakhovskaya, V. Steglik, and K. Shandera. Reviewed by Silin. Sakh. prom. 30 no 5:78-79 My '56 (Sugar industry) (Drakhovskaya, M.) (Steglik, V. Shandrra, K.(MLRA 9:9)



STEGMAN, KAZIMIERZ.

STEGMAN, KAZIMIERZ. Kultura stawu rybnego. Warszawa, Panstwowe Wydawn. Rolnicze i Lesne, 1952. 87 p. (Pondfish culture) DA Not in DLC

AGRICULTURE Poland

So: East European Accession, Vol. 6, No. 5, May 1957

STEGMAN, Kazimierz

Selection of carp spawners on Poland's fish farms. Postepy nauk roln 10 no.4:109-113 Jl-Ag '63.

1. Katedra Rybactwa, Szkola Glowna Gospodarstwa Wiejskiego, Warszawa.

STECHARD, G.

"Frinciple and Control of Flow Meters Working on Differential Fanometers", F. 267. (TECHNICYA FFACA, Vol. 6, No. 5, Nay 1054, Bratislava, Gzechoslovakia)

SO: Fonthly List of Fast European Accessions, (HMAL), LC, Vol. 4, No. 1, Jan. 1955, Uncl.

STEGMANN, G.

Production of half cellulose

p. 63 Vol. 10, no. 4, Apr. 1955 PAPIR A CELULOSA Praha, Czechoslovakia

SO: Monthly List of East European Accessions, (EEAL), IC, Vol. 5, no.2 February 1956, Uncl.

STORAR, G.

"Some figures on the Finrish cellulose-paper industry."

FARE ACCIDITION. Fraha, Czechoslovakia. Vol. 10, no. o, Aug. 1955.

Monthly list of Wast European Accessions (EMI), LC, Wol. 8, No. 6, Jun 59, Unclas

STERMANN, G.

"New automatic mobile irrigation unit, a new technique in plant production."

P. (4) of cover. (Ministerstvo zemedelstvi -- Praha, Czechoslovaka.) Vol. 8, no. 1, Jan. 1958

SO: Monthly Index of East European Accession (SEAI) LC, Vol. 7, No. 5, May 1958

L 13312-63

EPF(n)-2/EWT(m)/BDS

AFFTC/ASD/AFINL/SSD

G/025/63/006/003/006/007 59

AUTHOR:

Siewert, G., and Stegmenn,

TITLE:

Approximating calculations for an irradiation istallation with

simplified radiation shielding /q

PERIODICAL:

Kernenergie, v. 6, no 3, Mar 1962, 124-130

TEXT: The calculations presented demonstrated that it is possible to approximate by relatively simple means the strength of radiation field surrounding an irradiation installation of known dimensions if the composition of the materials used is known. The calculated results correlated satisfactorily with data obtained by actual measurements around an installation housing a 2000-curie cobalt-60 source (which was used as an example to illustrate the calcualting procedures involved). The individual steps in the calculations include the determination of the locations for which the prevailing dosage should be calculated; estimation of direct radiation penetrating the roof; estimation of the radiation reflected from the floor and the walls; calculation of total flux, its apparent activity, and scattered radiation at the roof-top; estimation of weakening in radiation through the roof; and calculation of the scattered radiation in the area surrounding the entire installations. Card 1/2/

Association: Peope-Owned Enterprise for the Development and Planning of Nuclear-Technological Installations.

STEGMANN, Gustav, doco, inz.

Determination of the characteristic dimension of segmental orifice plates. Energetika Gz 13 no.5:240-243 My '63.

1. Slovenska vysoka skola technicka, Bratislava.

STEGMANN, Gustav, doc., inz.

Economic importance of regenerative boilers and summary of the experience acquired in Czechoslovakia and abroad. Energetika Cz 13 no.6:303-306 Je . 163.

l. Slovenska vysoka skola technicka, Bratislava.

STEGMANN, Gustav, doc., inz.

Use of sulfite waste liquor from cellulose production as fuel. Tech praca 15 no.11:888-891 Nº63.

1. Slovenska vysoka skola technicka, Bratislava.

STEGMANN, Gustav, doc., inz.

Flow measurement of liquids containing sedimentation sludge. Papir a celulosa 18 no.4:89-90 Ap '63.

1. Slovenska vysoka skola techniqka, Bratislava.

STEGMANN, Gustav, doc. inz.

Methods of calculating universal combustion triangles. Energetika Cz 14 no.8:381-385 Ag :64

1. Slevak Higher School of Technology, Bratislava.

L 31752-66 EWP(k)/T-2/EWP(w)/EWP(v) IJP(c) WW/EM

ACC NR: AP6021663 SOURCE CODE: CZ/0032/65/015/008/0575/0581

AUTHOR: Stegmann, G. (Doctor; Engineer)

वृक्ष्मकान्येः B

ORG: Slovak Institute of Technology, Bratislava (Slovenska vysoka skola technicka)

TITIE: Calculation of the optimum arrangement of nozzles for boilers operating on waste sulfate liquor

SOURCE: Strojirenstvi, v. 15, no. 8, 1965, 575-581

TOPIC TAGS: steam boiler, nozzle design, fuel nozzle, combustion

ABSTRACT: The article briefly outlines specific phenomena characterizing the combustion process in steam boilers operating on black sulfate liquor. Then with a simplified physical model a determination is made of the optimum height at which the injecting nozzles should be located. Several simplifying assumptions must be made on account of the complexity of the system, but nevertheless the conclusions indicate ways to improve the efficiency of regenerating boilers. The article was presented by Engineer J. Votoupal. Orig. art. has: 3 figures and 28 formulas. [JPRS]

SUB CODE: 13 / SUBM DATE: none / ORIG REF: 004 / SOV REF: 004

Card 1/1

L

UDC: 621.181.6:621.181.67/.68:621.18.001

VARDAY, Gyorgy, dr.; BICZOK, Imre; OCSVAR, Rezso; LANTOS, Zoltan; SZIMELY, Karoly; BERENYI, Akos, dr.; FEHER, Gyula; GALLI, Laszlo; BAKOS, Laszlo; CZIGLINA, Vilmos; GABOS, Gyorgy; SZILAGYI, Gyula; RONAI, Andras; KOVACS, Gyorgy; BACHMANN, Alfred; STECMULLER, Jozsef; RETHATI, Laszlo; NAGY, Zoltan.

Hydrological questions of the construction industry in Hungary. Hidrologiai kozlony 36 no.3:169-170 Je'56.

- 1. "Hidrologiai Kozlony" szerkeszto bizottsagi tagja (for Galli).
- 2. "Hidrologiai Kozlony" felelos szerkesztoje (for Kovacs).

STEGNAN, G.

"Results of the Mobilization of Plant Power Stations and the Regulation of the Power Supplied from the Network of the Ministry of Fuel and Power Industry to the Lumber, Pulp, and Paper Industries, in Slovakia," p. 9. (Energetika, Vol.3, No.1, Jan. 1953, Prahal)

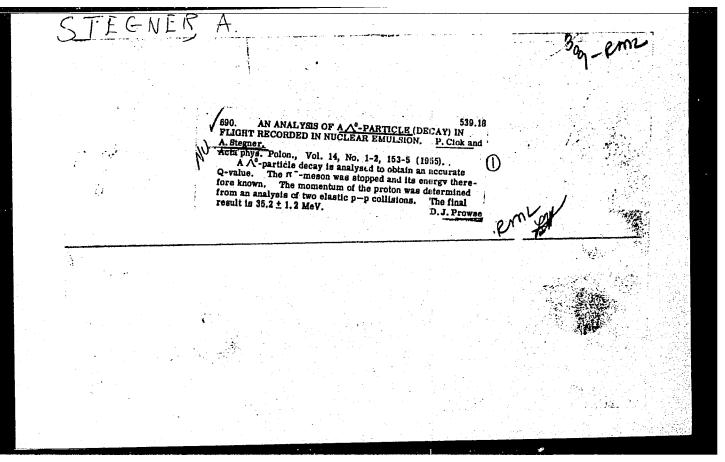
SO: Monthly List of East European Accessions, Vol.2, No.9, Library of Coloress, September 1953, Uncl.

STEGHAR, Marjan

Prevention of rickets. Zdrav.vest., Ljubljana 24 no.3:91-93 1955.

1. Otroski oddelek splosne bolnisnice v Celju - sef Dr. Marjan Stegnar.

(RICKETS, prevention and control)



VAL'TER, A.K.; KOPANETS, Ye.G.; L'VOV, A.N.; STEGNER, A.; TSYTKO, S.P.

Study of the reaction  ${\rm Mg}^{26}({\rm p},{\rm N})$  Al $^{27}$  at proton energies ranging from 1.8 to 2 Mev. Izv. AN SSSR. Ser. fiz. 27 no.ll:1419-1426 N '63. (MIRA 16:11)

1. Fiziko-tekhnicheskiy institut AN UkrSSR. 2. Institut yadernykh issledovaniy, Varshava, Pol'skaya Narodnaya Respublika (for Stegner).

contrors

STEGNER, G. Cand Chem Sci -- (diss) "Mechanism and kinetics of the formation of Louisian the decomposition of alcohols on catalyzers." Mos, 1959. 10 pp (Mos Order of Lenin and Order of Labor Red Banner State Univ im M. V. Lomonosov. Chair of Organic Catalysis), 150 copies (KL, 45-59, 144)

-17-

78059 507/62-60-1-5/37 5.3000

Stegner, G., Balandin, A. A., Rudenko, A. P. AUTHORS:

Influence of Different Stages of Polycondensation of the Products of Catalytic Decomposition of Ethyl TITLE:

Alcohol on the Rate of Carbonization

Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh PERLODICAL:

nauk, 1960, Nr 1, pp 24-30 (USSR)

This is a continuation of the author's previous work (Izv. AN SSSR, Chem. Ed., 1959, 1896) on the mechanism ABSTRACT:

of carbonization in the decomposition of ethyl alcohol

over copper-silica. Experimental data presented

in this paper confirm previous conclusions (see above reference) concerning the mechanism of carbonization which accompanies catalytic decomposition of ethyl alcohol. Carbonization is considered to be a multistage polycondensation of ethyl alconol and the products of its catalytic decomposition. The so-called

low temperature carbonization (below 600°) proceeds

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Influence of Different Stages of Polycondensation of the Products of Catalytic Decomposition of Ethyl Alcohol on the Rate of Carbonization

78059 307/62-60-1-5/37

through dehydrogenation of ethyl alcohol. Acceleration or slowing down of ethyl alcohol decomposition (dehydrogenation and dehydration) causes a change in the rate of carbonization. There are 4 figures; and li references, 1 German, 10 Soviet.

ASSOCIATION:

M. V. Lomonosov Moscow State University (Moskovskiy gosudarstvennyy universitet imeni M. V. Lomonosova)

SUBMITTED:

May 4, 1958

Card 2/2

S/062/60/000/011/003/016 B013/B078

AUTHORS:

Stegner, G., Rudenko, A. P., Balandin, A. A.

TITLE:

Carbon Formation in the Decomposition of Isopropyl Alcohol, n-Hexyl Alcohol, and Cyclohexanol on the

Copper - Silica Gel Catalyst

PERIODICAL:

Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh

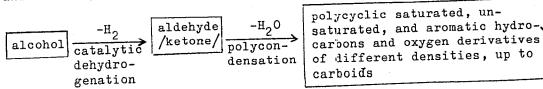
nauk, 1960, No. 11, pp. 1930 - 1937

TEXT: A study has been made of the mechanisms of carbon formation in the decomposition of isopropyl and n-hexyl alcohols, as well as of cyclohexanol in the temperature range of 200 - 950°C, proceeding in the same manner as with ethyl alcohol (Refs.1,2). The experiments were conducted in a continuous system for heterogeneous catalytic studies at atmospheric pressure and a volume velocity of 2.25 h<sup>-1</sup>. Fig.1 shows the temperature dependence of the carbon formation rate in the decomposition of the above-mentioned substances. The presence of three mechanisms can be inferred from the course of the curves. Diagrams are suggested for the three mechanisms: the low-temperature mechanism in the temperature

Card 1/5

Carbon Formation in the Decomposition of S/062/60/000/011/003/016 Isopropyl Alcohol, n-Hexyl Alcohol, and B013/B078 Cyclohexanol on the Copper - Silica Gel Catalyst

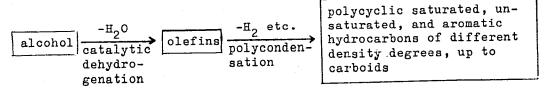
range of 200° - 600°C acts, like a pure polycondensation of aldehydes and ketones, according to the following scheme:



This scheme is applicable to all alcohols concerned, including ethyl alcohol. The intermediate mechanism in the temperature range of  $600^{\circ}$  -  $750^{\circ}$ C is a polycondensation of products of the catalytic dehydration of alcohols (propylene, hexylene, cyclohexene). Possibly, a polycondensation of ethylene takes place likewise under these conditions, but since the rate of this process is too low, it occurs only at higher temperatures, in the course of the high-temperature mechanism. The following scheme is offered for the intermediate mechanism:

Card 2/5

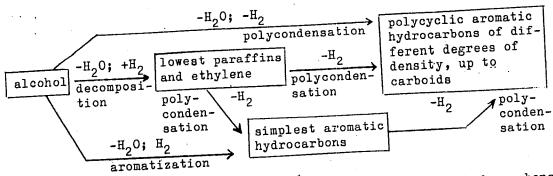
Carbon Formation in the Decomposition of \$\ \) 5/062/60/000/011/003/016 Isopropyl Alcohol, n-Hexyl Alcohol, and \$\ \) B013/B078 Cyclohexanol on the Copper - Silica Gel Catalyst



The replacement of the intermediate mechanism by the high-temperature mechanism manifests itself by a marked retardation of the process at temperatures above 750°C. In the range of 750° - 875° the carbon formation is slowed down, after which it is again speeded up vigorously beyond 875°C. This mechanism (750° - 950°C) comprises the following processes: polycondensation of decomposition products of the alcohols used (lowest paraffins and ethylene); polycondensation of aromatic hydrocarbons, resulting from the decomposition of alcohols; polycondensation of the alcohols used. A general scheme applies to them:

Card 3/5

Carbon Formation in the Decomposition of \$/062/60/000/011/003/016
Isopropyl Alcohol, n-Hexyl Alcohol, and B013/B078
Cyclohexanol on the Copper - Silica Gel Catalyst



As opposed to the two first-mentioned mechanisms, aromatic hydrocarbons only are given here as the end products. This is explained by the fact that under the conditions of the high-temperature mechanism the formation of saturated, unsaturated, and hydroaromatic polycyclic systems is practically impossible, which is indicated by the composition of

Card 4/5

Carbon Formation in the Decomposition of s/062/60/000/011/003/016 Isopropyl Alcohol, n-Hexyl Alcohol, and B013/B078 Cyclohexanol on the Copper - Silica Gel Catalyst

resinous polycondensation products. Their composition and aromatic character is almost the same in all of the alcohols investigated. Table 1 gives the composition of gaseous decomposition products of the alcohols on the copper - silica gel catalyst. The composition of the hydrocarbon part of the gaseous decomposition products of isopropyl and n-hexyl alcohols on the copper - silica gel catalyst is given in Table 2. There are 4 figures, 2 tables, and 4 references: 3 Soviet and

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova

(Moscow State University imeni M.V. Lomonosov)

SUBMITTED:

June 29, 1959

Card 5/5

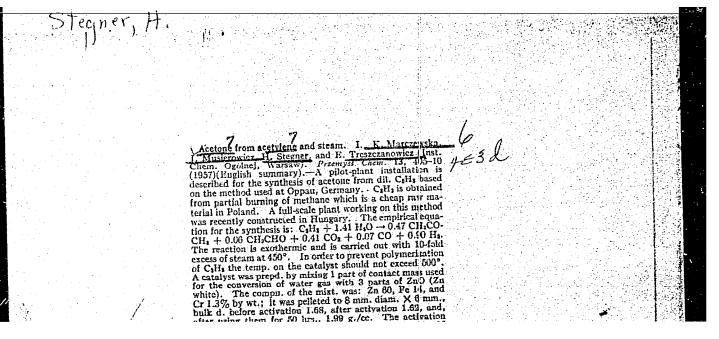
BALANDIN, A.A.; RUDENKO, A.P.; STEGNER, G. Formation of coal dendrites in the course of decomposition of alcohols on nickel. Ozv.AN SSSR.Otd.khim.nauk no.5:762-770 My

(MIRA 14:5) 161.

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova. (Alcohols) (Coal)

STEGNER, n.

Acetone from Acetylene and Walter, Part II by K. MARCZEWSKA, H. STEINER J. HUDIFARMER and F. THESZCZANONICZ, Page 463, Przemysl Chemiczny, No. 8, 1957.



STEGNER, Halina

Obtaining tetrachloroethylene from carbon tetrachloride. Przem chem 42 no.6:306-309 Je 163.

1. Zaklad Syntezy Kontaktowej, Instytut Chemii Ogolnej, Warszawa.

"Installation of Steat Hatting in a Bur", 1. 314, (COMMINALISMA, Vol. 4, No. 18, (cober 1972, Marsaw, Feland)

Ut: Confully list of Cast European Admissions (COM), LC, Vol. 7, No. 3, Barch 1995, No. 1.

STEGNER, Z., mgr inz.

Current information concerning patents. Techn motor 12 no. 4/5: 144-146 Ap-My '62.

1. Biuro Instrukcyjne Przemyslu Motoryzacyjnego, Warszawa.

USSR

NAVAKATIKYAN, A. O., kand. med. nauk; LYUBOMUDROV, V. Ye., kand. med. nauk; SHCHERBAKOVA, O. I.; PAVLOVA, O. A.; BASAMYGINA, L. Ya.; STEGNIY, A. S. (Donetsk)

Evaluation of the arterial pressure in workers of certain professions. Vrach. delo no.7:136 Jl '62. (MIRA 15:7)

1. Iaboratoriya klinicheskoy fiziologii (zav. - kand. med. nauk A. O. Navakatikyan) i otdel professionalinykh zabolevaniy (ispolnyayushchiy obyazannosti zaveduyushchego - kand. med. nauk V. O. Lyubomudrov) instituta fiziologii truda i kafedra fakulitetskoy terapii II (zav. - dotsent N. S. Kamenetskiy) meditsinskogo instituta.

(BLOOD PRESSURE)

STEGNIY, A. Ye.

Stegniy, A. Te. - "On the problem of physiotherapy in the treatment of ulcers from stumps," Uchen. zapiski (Ukr. nauch.-issled. in-t protezirovaniya), Issue 1, 1948, p. 79-90, - Bibliog: 11 items

SO: U-4355, 14 August 53, (Letopis 'Zhurnal 'nykh Statey, No. 15, 1949)

Figs. rangers are cadients fracting furness. Withinstitionic mo.1s (MiRA 1584)

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STEGR, Jar., Dent. (Praha)

Technic of roentgenography. Prakt. sub. lek., Praha 2 no.4:
83-94 1954.
(TESTH, radiography, technic)
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STEGUMIN, S.I.

Courses for public health organizers in Euybyshev. Zdrav.Ros.

Fed. 2 nc.99144-45 S'58

(MIRA 11:10)

(MUISTENEY-PUBLIC HEALTH)

STEGUTE, S.I., Send Med Sei — (diss) "Mistery of the European Medical Institute in commettee with the develope at of higher medical education in the USSR." Harbychev, 1950. 38 pp (European State Hed Inst. Chair of the misstan of Public He 1th and History of Adicine). 250 copies lies of mather's works up 3738 (10 titles) (YI,40-59, 106)

YEROSHEVSKIY, T.I., prof.; STEGUNIN, S.I., assistent

Kuybyshev Medical Institute during the years of Soviet power. Trudy Kuib\_med.inst. 11:3-12 '60. (MIRA 15:8)

1. Kafedra organizatsii zdravookhraneniya i istorii meditsiny Kuybyshevskogo meditsinskogo instituta (for Stegunin).
(KUYBYSHEV--MEDICAL COLLEGES)

Nikolai Alekseevich Anan'ev; on the anniversary of his death. Sov. zdrav. 20 no.5:89 '61. (MIRA 14:5)

(ANAN'EV, NIKOLAI ALEKSEEVICH, 1991-1960)

ARTEMOV, P.I.; ZINOV'YEV, G.A.; STEGUNIN, S.I.(Kuybyshev)

Diseases of the circulatory organs among the population of Kuibyshev (as revealed by extensive study of disease incidence in 1958). Sov.zdrav. 21 no.8:47-50 '62. (MIRA 15:11)

1. Iz kafedry organizatsii zdravookhraneniya i istorii meditsiny (zav. - prof. I.M.Bulayev) Kuybyshevskogo meditsinskogo instituta. (KUYBYSHEV.—CARDIOVASCULAR SYSTEM—DISEASES)

ARTEMOV, P.I.; SPERGHIF, S.I.

Basic problems of dispensary follow-up of patients. Sov. med. 28 no.4:127-129 Ap \*64. (MTRA 17:12)

l. Kafedra organizatsii zdravookhraneniya i istorii meditsiny (zav. - dotsent S.l. Stegunin) Kuybyshevskogo meditsinskogo instituta.

SEBENDA, J.; STEHLICEK, J.;

Alkaline polymerization of 6-caprolactams. Pt.10. Coll Cz Chem 28 no.10:2731-2743 0 163.

STEHLICEK, J.; SEBENDA, J.; WICHTERGE, C.

Alkaline polymerization of & caprolactam. Ft.17. Coll Cz Chem 29 no.5:1236-1258 by '64.

1. Institute of Macromologular Chemistry, Czechoslovak Academy of Sciences, Pragm.

CZECHOSLOVAKIA

STEHLICEK, J; GEHRAE, K; SERENDA, J

Institute of Macromolecular Chemistry, Czechoslovak Academy of Sciences, Prague - (for all)

Prague, Collection of Czechoslovak Chemical Communications, No 1, January 1967, pp 370-381

"Alkaline polymerization of 6-caprolactam. Part 26: N-carbamoylcaprolactams as activators of the alkaline polymerization of caprolactam."

# CZECHOSLOVAKIA

# STEHLICEK, J; LABSKY, J; SEBENDA, J

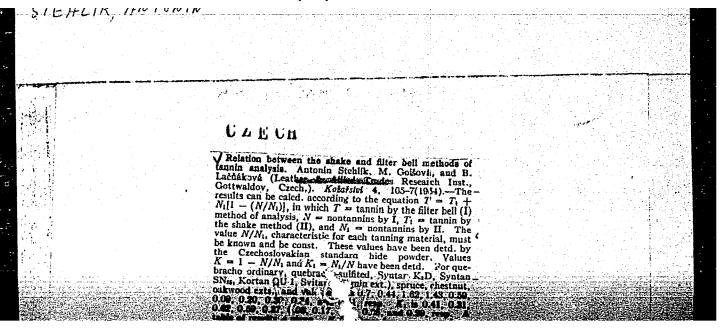
Institute of Macromolecular Chemistry, Czechoslovak Academy of Sciences, Prague - (for all)

Prague, Collection of Czechoslovak Chemical Communications, No 2, February 1967, pp 545-557

"Alkaline polymerization of 6-carrolactam. Part 25: The effect of structure of the acyl on polymerization activated by acylcaprolactams or diacylamines."

CZECH A method for the determination of organically bound SQ-in sulfonated oils. Antonin Stehilk and Boleslav Novaříki (Lenther & Allied Trates Research Inst., Otrokovice, Czech.). Ceskoulov. kožatství 3; 86-7(1963).—Known methods (Hart, C.A. 28, 4250), Burton and Byrne, C.A. 41, 1117i) were tested. For isolation of sulfo esters: shake a weighed 1.5-3.0-g. sample with 20 ml. Et/O and 20 ml. satd. NaCl soln. Contg. 12 g. AcONa and 5 ml. AcOH per 250 ml. satd. NaCl soln. Drain, wash the ether layer with 30 ml. satd. NaCl soln. Drain, wash the ether layer with 30 ml. satd. NaCl soln. and evap. the ether. Add 20 ml. 0.1N NaOH and H.O. evap., ignite for 15 min. with a small flame, wet with H.O. (10%), evap., and ash at 500-50°. Titrate the ash against methyl red and methylene blue with 0.05N H.SO. A crucible of stainless steel, but not of Pr. cun be used. When only CHOSO.H groups are present, the results correspond to those of the gravimetric method. If CHSO.H groups are present, the results by the new method are higher, the increase corresponding to CHSO.H groups present; these can be calcd. from the difference. L: M.

Stehl	lik, Anton	The (Leath Czech Năme absorp	Z E CH  absorption of water er & Allied Trades ). Ceskosian, k 25 47 str. e method (C.A. 32, tion of leather is exact if the H.O content of d. The author recom % initial H.O content.	by leather. Autonin Research Is. Getty (3, S4-5(1953).—The Ki (1974) of measuring the it, but a considerable error for the tested leather is mends caleg, the H.O. abs. L. M.	Stehlik  Thiox  Thiox	



Stehlik, Hutonin

New analytical methods in tanneries. Antonia Stehlik (Leather and Allied Trades Research Inst., Lottwaldov, Czech.). Kolifsivi 5, 35-7(1055).—In testing leather for permeability to air, Fodor's app. (from H.S.S.R.) gives more comparable results than does Hergmann's or Schopper's app. A hydrothermal test for the defin. of stability of vegetable-tunned leather has been introduced. A new method for the deta. of organically bound SC<sub>2</sub> in sulfated oils (C.A. 49, 8017a) gives better results if excess H.SO<sub>2</sub> is added; CO<sub>3</sub> removed by boiling, and the soin, back-iltrated. For deta. of sulfonyl chlorides the sample is barned in the Grote-Krekcler (C.A. 27, 1841) app., and the combustion products are absorbed in alk. H.O. soin. The ratio of C1 to SO<sub>3</sub> is always higher than 1; hence C1 is also bound by addit, or substitution. The SO-C1 content calcd. from -SO-C1 +2KOH = -SO-K + KC1 + H.O gives the same results us the polarographic deta. of Majranovskij and Nejman (C.A. 46, 28c). For the polarographic deta. of sulfonyl chloride, cyclohexanone is a suituble solvent; the half-wave potential is near zero (to the calomel electrode). There is a linear relation between the conen. of sulfonyl chloride and the height of the wave, unless the proportion of solvents is changed.

 STEHLIK, A.

70th anniversary of reclamation activity.

P. 213 Vol. 5, no. 6, June 1955 VODNI HOSPODARSTVI Praha

So: Monthly List of East European Accessions (EEAL), LC, Vol.5, no. 3

CZECHOSLOVAKIA / Chemical Technology. Chemical Prod-

H-35

ucts and Their Application. Leather. Fur. Gelatin. Tanning agents. Industrial Proteins.

Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 3364.

: Muller, K., Stehlik, A. Author

Inst : Not given.

: The Effect of Tanning Agents Blends Which Are Title Used in Czechoslovakia Upon the Tanning of Lower Part of Shoe Wear, and the Application of Some Less Frequently Used Methods For Their Determin-

ation.

Orig Pub: Veda a vyzk. v prumyslu kozedeln., 1956, 1, 7-26.

Abstract: The properties of natural tanning agents which are used in Czechoslovakian leather factories

were investigated. The content of salts and weak acids, the degree of astringency were de-

Card 1/2

CMECHOSLOVAKIA/Chemical Technology - Chemical Products and

H-35

Their Application. Leather. Mechanical Gelatins.

Tanning Materials. Technical Albumins.

Abs Jour

: Ref Zhur - Khimiya, No 17, 1958, 59699

Author

Stehlik Antonin, Kokes Drahoslav, Podolska Miroslava,

Muck Eduard

Inst

Title

: Determination of the Degree of Sulfitization of

Vegetable Tanning Materials.

Orig Pub

: Veda a vyzk. v prumyslu kozedeln., 1956, 2, 53-58

Abstract

The method is based on the determination:

1) of the quantity of free SO, (from sulfite or bi-

sulfite) and

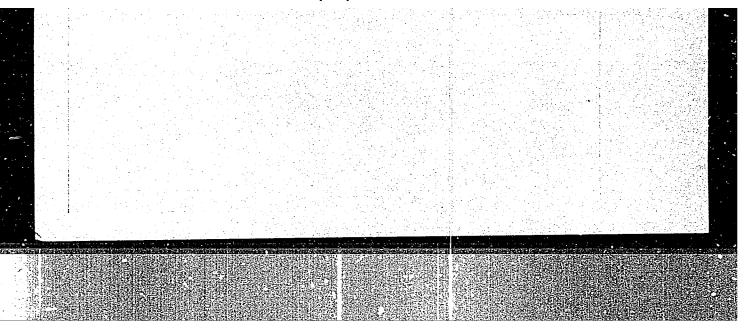
2) of the quantity of SO connected with the tanning material. The method provides reproducible results and

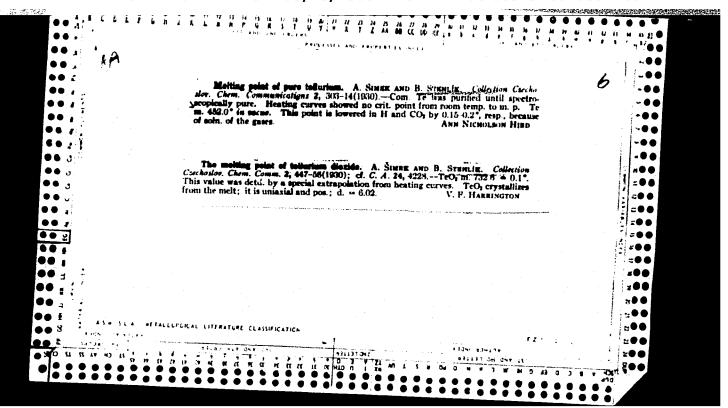
can be applied in any laboratory.

Card 1/1

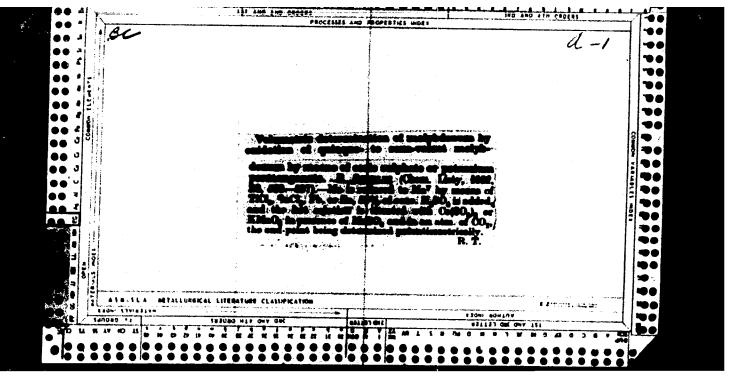
- 115 -

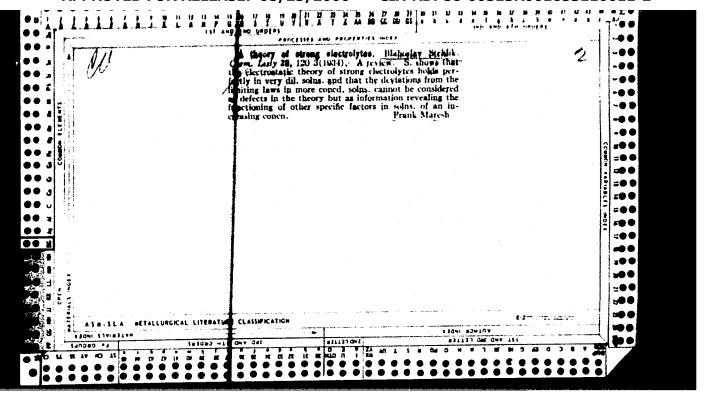
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			om of soluble sulfides. A.  ny ustav kożedłiny, Orro- U, 1820-1(1950). — 15 y complexometric titration ne Black T (preferably A ions from the mean value d Mg++ interfere in amts. L. J. Urbánek		6	
	- manner C-	MANAGER ( A ASKRILL)	ny ustav kożedelny. Orocz	$\neg$ $\nu$		사는 경기를 내고 있다. 그 살은 경험을 받는 것이다.

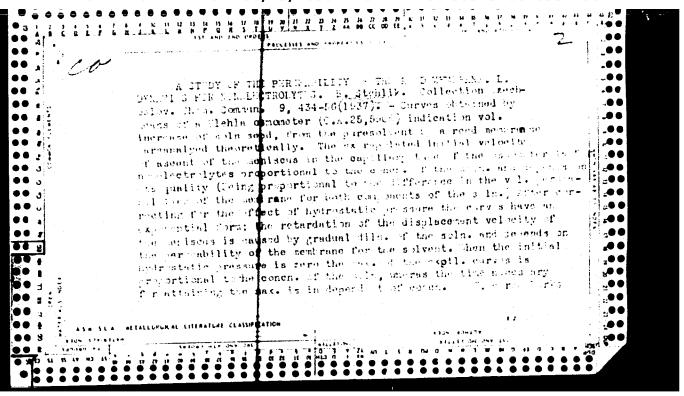


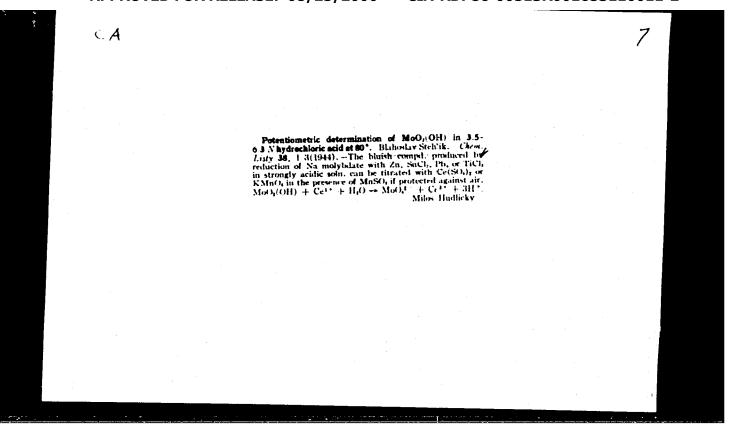


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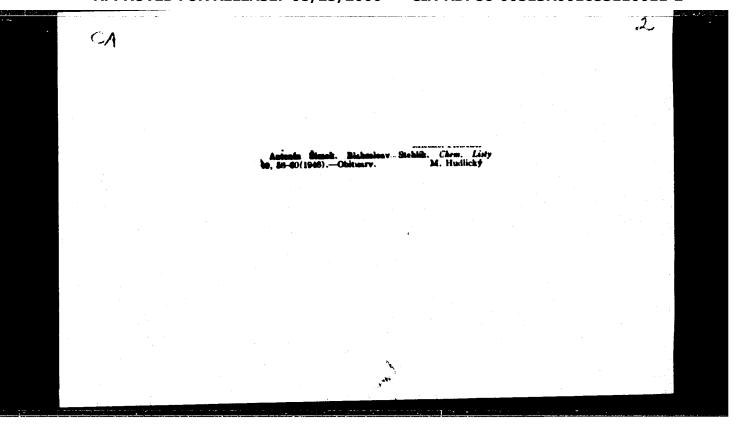


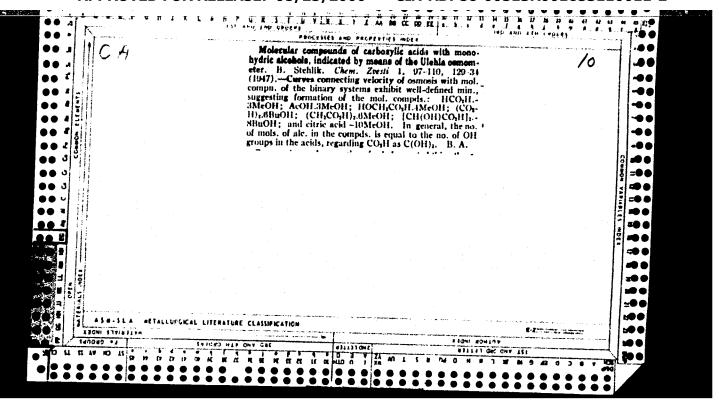


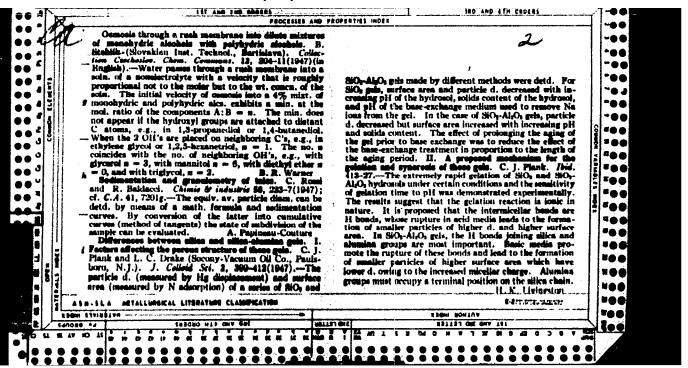


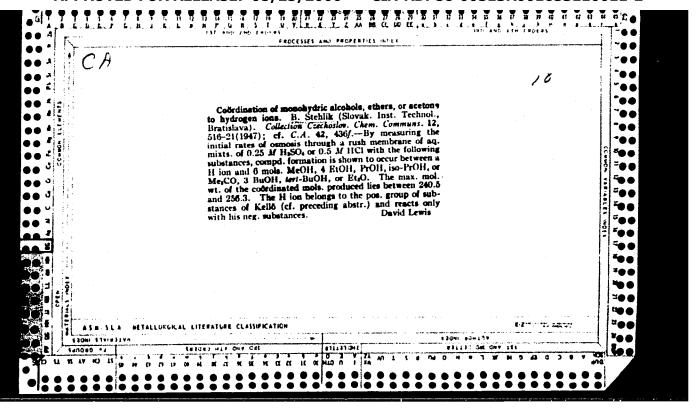


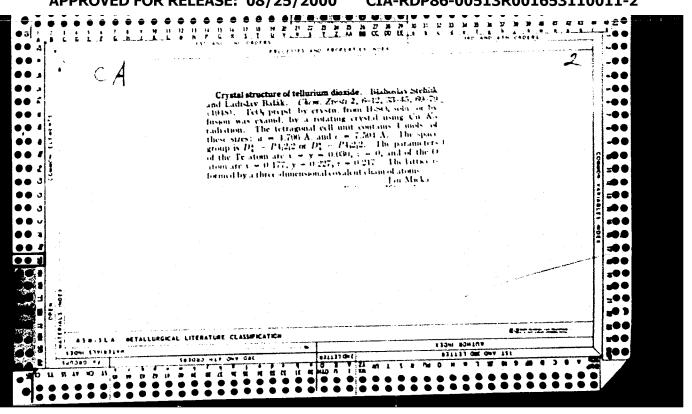
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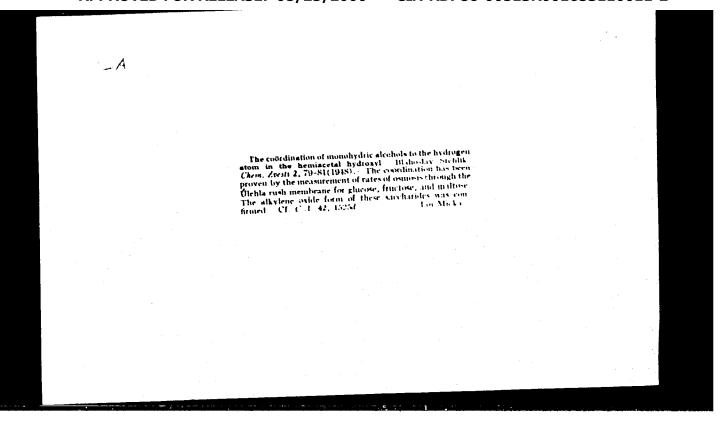


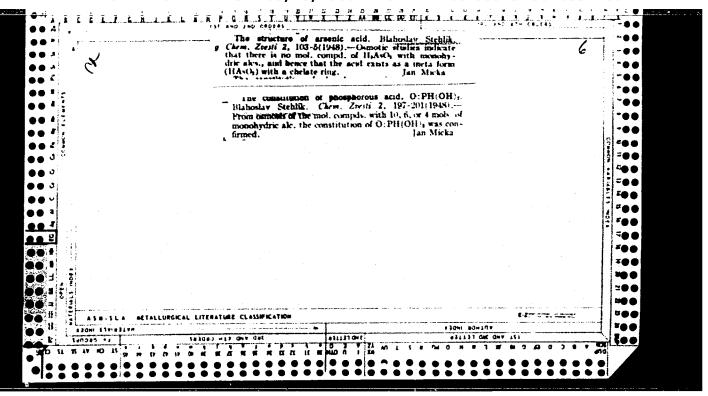


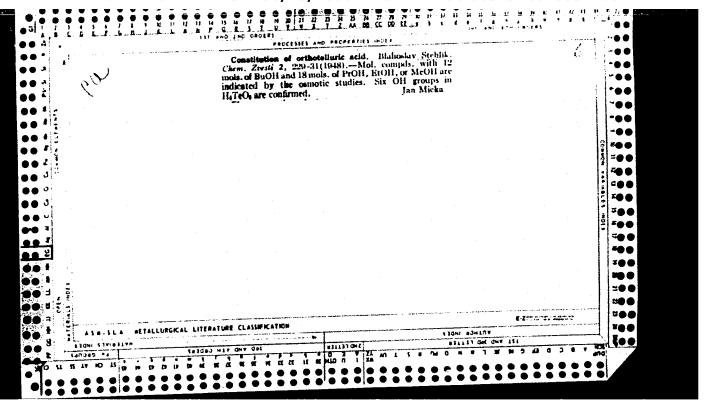




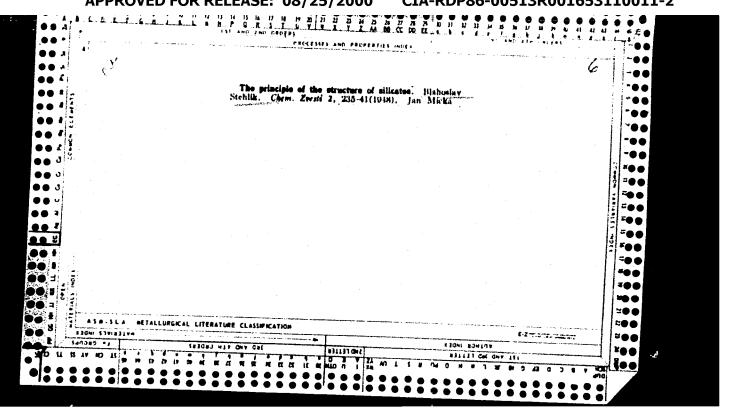


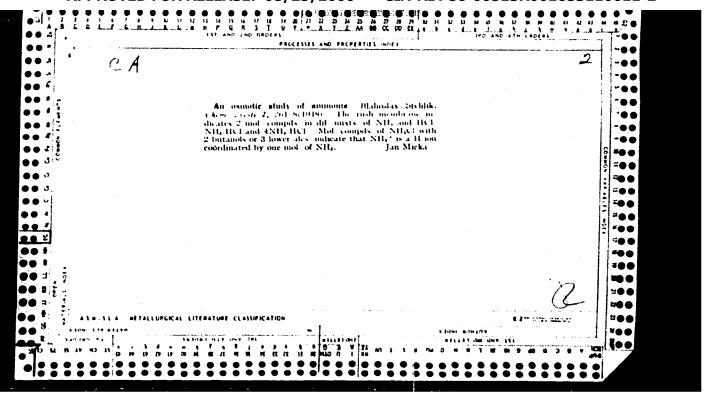


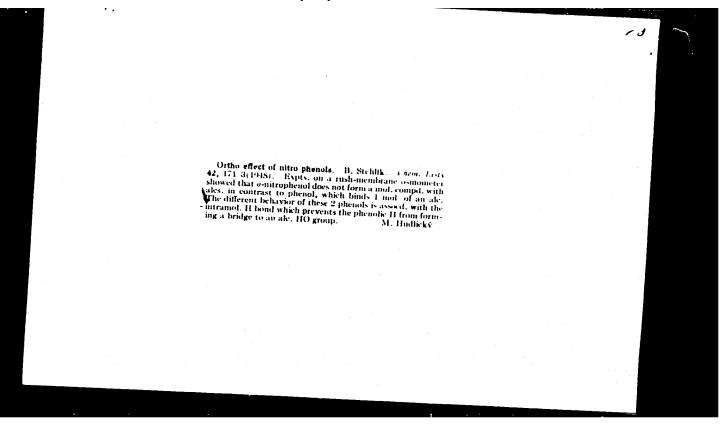




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Intranscincular bridge in pyrocatechol and hydroquinous. Blabolasy Stehlik. Chem. Zerv.it 2, 31-4 (1918).

—Mol. Compds. of dihybroy-bennenes with monohydrae also, have been found by osmosis through a rush membrane, showing that there is an intramol. If bridge in pyrocatechol and hydroquinous.

Jan Micks

